What is claimed is:



- 1. A method for increasing stress resistance to a plant which comprises introducing a glactinol synthetase gene into the plant body.
- 2. The method for increasing stress resistance to a plant according to claim wherein the glactinol synthetase gene is the following gene (a) or (b):
- (a) a gene encoding a protein comprising an amino acid sequence represented by SEQ ID NO: 1,
- (b) a gene encoding a protein comprising an amino acid sequence differing from the amino acid sequence of SEQ ID NO: 1 by deletion, substitution or addition of at least one or more amino acids, and having galactinol synthetic activity.
- 3. The method for increasing stress resistance to a plant according to claim 1 wherein said galactinol synthetase gene is the following gene (c) or (d):
- (c) a gene encoding a protein comprising an amino acid sequence represented by SEQ ID NO: 2,
- (d) a gene encoding a protein comprising an amino acid sequence differing from the amino acid sequence of SEQ ID NO: 2 by deletion, substitution or addition of at least one or more amino acids, and having galactinol synthetic activity.
- 4. The method for increasing stress resistance to a plant according to claim 1 wherein galactinol content in the plant body is increased.
- 5. The method for increasing stress resistance to a plant according to claim 1 wherein galactinol synthetic activity in the plant body is improved.

- 6. A method for increasing stress resistance to a plant which comprises increasing galactinol content in the plant body.
- 7. A method for increasing stress resistance to a plant which comprises improving galactinol syntheteic acitvity in the plant body.
- 8. A method for increasing stress resistance to a plant which comprises excessively expressing the following protein (e) or (f) in the plant body:
- (e) a protein comprising an amino acid sequence represented by SEQ ID NO:
- (f) a protein comprising an amino acid sequence differing from the amino acid sequence of SEQ ID NO: 1 by deletion, substitution or addition of at least one or more amino acids, and having galactinol synthetic activity.
- 9. A method for increasing stress resistance to a plant which comprises excessively expressing the following protein (g) or (h) in the plant body:
- (g) a protein comprising an amino acid sequence represented by SEQ ID NO:
- (h) a protein comprising an amino acid sequence differing from the amino acid sequence of SEQ ID NO: 2 by deletion, substitution or addition of at least one or more amino acids, and having galactinol synthetic activity.

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